



MOTOR DATA SHEET

Motor type: **ExSh80-6BT3**

Series: **INCREASED SAFETY**

22-12-2024

| ELECTRICAL PARAMETERS | | | | | | | | | | | | | | | | | |
|-----------------------|-------|----|------|------|------|------|-----|-----|------|------|------|------------------------|-----|------|--------------------------|-----|------|
| U | CONN. | f | P | | Duty | I | n | T | TL/T | TB/T | IL/I | Efficiency at load [%] | | | Power factor at load [-] | | |
| V | - | Hz | kW | HP | - | A | rpm | Nm | - | - | - | 2/4 | 3/4 | 4/4 | 2/4 | 3/4 | 4/4 |
| 400 | Y | 50 | 0.55 | 0.75 | S1 | 1.55 | 890 | 5.9 | 1.9 | 2 | 3.5 | - | - | 69.0 | - | - | 0.75 |

| GENERAL DATA | | | |
|----------------------------|-----------------|--------------------------------------|-----------|
| Efficiency class | - | Frame size | 80 |
| Number of poles | 6 | Terminal box position | top |
| Starting method | DOL | Possibility of terminal box rotation | yes |
| Insulation class | F | Bearing on D-side | 62042Z |
| Frequency converter supply | no | Bearing on ND-side | 62042Z |
| Mounting arrangement | IMB3/B5/B35/B14 | Bearings regreasing | no |
| Cooling method | IC411 | Housing - material | aluminium |
| Weight (IMB3) [kg] | 8.6 | Feet - material | aluminium |
| Bearing shields - material | aluminium | Painting | RAL5010 |
| Degree of protection | IP66 | Climatic execution | N |

| ENVIRONMENTAL CONDITIONS | | | |
|--------------------------|--------------------|------------------------------|------------|
| Ambient temperature [°C] | from -20 up to +40 | Altitude above sea level [m] | up to 1000 |
| Relative humidity [%] | up to 95 | | |

| ACCESSORY | | | |
|--------------------------------|-----------|---------------------------------|-----------|
| Number of terminals or cables | 6 | Temperature sensors in bearings | on demand |
| Cable glands/inlets | 2 | Winding heaters | no |
| Temperature sensors in winding | on demand | Optional accessories | on demand |

| STANDARDS | |
|-------------------------------------|--|
| EN 60079-0, EN 60079-31, EN 60079-7 | |

| CERTIFICATES | |
|--------------|--|
| ATEX | |

| ADDITIONAL INFO | | | |
|--|----|------------|---------------------------------------|
| tE heating time up to T3 temperature [s] | 36 | Ex marking | II 2G Ex eb T3 / II 2D Ex tb T125st.C |